



PATENT ABSTRACTS OF JAPAN

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(54) INDUCTION HEATING METHOD OF MOLTEN METAL IN TUNDISH

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(57) Abstract:

PURPOSE: To prevent leakage of a molten metal and to permit easy exchange of a tundish by providing a chamber in the contact part between the edge of a channel type inductor for induction heating of the molten metal and the tundish and controlling the pressure in the chamber.

CONSTITUTION: A pressure chamber 4 which can be pressurized is provided in the contact part between the edge of a channel type inductor 3 for induction heating of a molten metal 14 and a tundish 2. The pressure in said chamber 5 is controlled according to the level of the molten metal 14 in the tundish 2. Leakage of the molten metal 14 from said contact part is thus prevented. Since the exchange of the tundish 2 is accomplished while the molten metal is kept contained in the channel part 13 in the inductor, the life of the inductor 3 is extended.

